

**4.3.3.2.2.7 Cultural and Paleontological Resources**

The construction of the deep borehole complex would disturb approximately 63 ha (156 acres) of land. The operational land requirement is 2,041 ha (5,044 acres), which includes a 1.6-km (1-mile) buffer zone. The actual facility requires 57 ha (141 acres) during operation. In addition, approximately 1.6 km (1 mi) each of road or railway would also be constructed. No specific site has been proposed for this alternative. Impacts to cultural and paleontological resources would be addressed in tiered NEPA documents as appropriate. A siting study would be conducted in support of tiered NEPA documentation.

Prehistoric and historic resources that may be NRHP-eligible would be identified through additional surveys. Specific concerns about the presence, type, and location of Native American resources would be addressed through consultation with the potentially affected tribes in accordance with the NHPA, the *Native American Graves Protection and Repatriation Act*, and the *American Indian Religious Freedom Act*. Therefore, it is not possible to determine potential effects on cultural and paleontological resources.